

ICUFN 2017

The Ninth International Conference on Ubiquitous and Future Networks

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<http://www.icufn.org>

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Arena di Verona



Duomo, Milan



Canals, Venice

CALL FOR PAPERS

During the last decade, we have witnessed fast developments of various networking technologies, and many forms of networking and systems are becoming core parts of our daily lives. With the proliferation of future wireless technologies and electronic devices, there is a fast growing interest in ubiquitous and future networks. In the days to come, we expect that the ubiquitous communication and networking technologies will become ubiquitous along with the emergence of many future networking technologies. The ubiquitous and future network will offer multiservice, multimedia services convergence, mobility, service ubiquity and context awareness, fixed-mobile convergence, quality of service, variable connectivity, spontaneous networking, autonomic networking and other capabilities as the norm. Building on the success of the last seven years, the ninth International Conference on Ubiquitous and Future Networks (ICUFN 2017) aims at addressing advances in research on ubiquitous and future networks, covering topics ranging from technology issues to emerging applications and test-bed developments. ICUFN 2017 solicits original, unpublished contributions in all aspects of ubiquitous and future networking and system. Submitted articles must not be concurrently considered elsewhere for publication. We also encourage authors to submit short papers on the early stages of research or development in progress, which present important new challenges. Position papers on new idea and industry papers are also welcome. The conference is organized by KICS (The Korean Institute of Communications and Information Sciences)

The topics include, but are not limited to:

Mobile Communication

- Wireless and Communication Network
- Cognitive Radio Network
- 6G, 5G, PS-LTE, LTE-R, LTE-Advanced,
- WLAN, WPAN
- Wireless Ad-hoc and Mesh Network
- Small Cell Networks
- Heterogeneous Networks
- Interference Management
- Radio Resource Management
- Cooperative and Collaborative Communications
- Cross-Layer Design and Optimization

Open Networking

- QoS, QoS, SLA, and GoS
- Future Internet and Network
- SDN and Network Virtualization
- Web-services and SOA
- Security and Network Management
- Open Platform, Software and Services
- Network Theory and Network Science
- Information Networks
- Social Network
- Network Coding

Bigdata and Cloud

- Cloud Computing and Networks
- Datacenter Networking
- CCN/CDN/CN/Delay-tolerant networks
- Big Data Networks

- Fog Computing and Networking
- Storage Networking Protocols
- Distributed and Parallel Systems
- Embedded Systems
- Smartphone Applications
- Applied Computing
- Energy/Power Management

Ubiquitous IoT

- Ubiquitous Computing and Sensor Networks
- Wireless Sensor Networks, RFID and QR Code
- Cyber-physical system (CPS)
- Optical Wireless Communications(OWC), VLC and IR Communication
- Underwater Sensor Networks
- Internet of things (IoT) and Internet of Lights(IoL)
- Body Area Network
- D2D and M2M
- Nano Communication Networks

Autonomous System

- Vehicular Ad-hoc Networks and Autonomous Vehicles
- Energy Internet, Smart Grid and Green Internets
- LBS, Localization, Positioning and Navigation
- Location and mobility management
- e-Health
- AR, VR, MR, Multi Screen and Digital Signage
- Computer Vision Applications
- Safety Critical System
- Reliability, Availability and Scalability
- Machine Learning and Computational Intelligence

Submission Guidelines:

All papers must be submitted electronically, in PDF format, and uploaded on EDAS. The direct link for paper submission is <http://edas.info/N22905>. There are two options for the submissions, either a full paper or a short paper. We decided to allow the submission of short papers in order to accommodate the most recent research outcomes. The submissions should be formatted with single-spaced, double-column pages using at least 10 pt size fonts on A4 or letter pages in IEEE style format. The maximum number of pages is 6 for full papers and 3 for short papers. Please make sure that both full paper and short papers must be at minimum 3 pages in length. Detailed formatting and submission instructions will be available on the conference web site (<http://www.icufn.org>).

Call for Workshop Proposals

Proposals are invited for half- or full-day workshops in communication and networking topics. Please contact workshop co-chairs, Yonghoon Choi, Ki-Hyung Kim and Joel Rodrigues at yhchoi@kw.ac.kr, kkim86@gmail.com and joelr@ieee.org.

Selected Journal Publication

Accepted and presented papers will be published in the ICUFN 2017 Conference Proceedings. Also extended versions of selected papers will be published in the following international journals as a special section for the ICUFN 2017.

- Wireless Personal Communications (SCIE)
- International Journal of Distributed Sensor Networks (SCIE)
- Journal of Internet Technology (SCIE)
- Mobile Information System (SCIE)
- Sensors (SCIE)
- INFORMATION Journal (Scopus)
- International Journal of E-Health and Medical Communications (Scopus)
- ICT Express
- Recent Advances on Communications and Networking Technology

Best Paper Awards

Best papers will be selected by the technical program committee members among regular papers presented at ICUFN 2017.

Important Dates

- Submission Deadline (6-page Full Paper or 3-page Short Paper): **February 15, 2017**
- Acceptance Notification: **April 15, 2017**
- Camera-Ready Paper (6-page Full Paper or 3-page Short Paper): **May 1, 2017**